

ABSTRACT
RIBOZYMAL NUCLEIC ACID

A vector system which can be incorporated in liposomes, comprising at least one
5 DNA vector, the vector or vectors containing a target-cleaving hammerhead ribozymal
DNA sequence under control of a promoter effective in human cells and which, upon
transcription to RNA will cleave the mRNA transcribed from a target gene encoding the
CCR5 or CXCR4 protein.

Preferably the ribozymal DNA contains a first recognition sequence (5' to 3'):
10 tagattg or ctccact, respectively for CCR5 or CXCR4
and downstream thereof a second recognition sequence
acttg or acgttgt respectively for CCR5 or CXCR4.